Request to Archive
With The National Centers for Environmental Information
For El Niño Rapid Response (ENRR) Field Campaign: Radiosonde Data (Level 2) from Kiritimati Island, January-March 2016
Provided by NOAA/ESRL/PSD

2016-09-02

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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email

2. Name the organization or group responsible for creating the dataset.

NOAA/ESRL/PSD

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

During January through March 2016, scientists led by the NOAA/Earth System Research Laboratory's Physical Sciences Division conducted NOAA's El Niño Rapid Response (ENRR) Field Campaign. Its goal was to document the ongoing El Niño episode in great detail, and in ways that could help researchers better understand the ways in which this El Niño affected weather in the United States and the impact of various high-resolution observations on weather forecasts. Intensive observations were collected over the central and eastern Pacific ocean from land, ocean, and airborne platforms during the very strong 2015-2016 El Niño. This dataset contains radiosonde data from Kiritimati (Christmas) Island, collected 26 January to 27 March 2016. These "Level 2" data have been reprocessed using corrected surface observations as initial conditions and then subject to automatic, objective quality control checks. Variables: Pressure, geopotential height, temperature, dewpoint, relative humidity, winds, latitude, longitude, altitude.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2016-01-26 to 2016-03-27

5. Edition or version number(s) of the dataset:

V1

6. Approximate date when the dataset was or will be released to the public:

2016-09-01

7. Who are the expected users of the archived data? How will the archived data be used?

These data provide a high-resolution view of tropospheric and lower stratospheric conditions over the heart of the warm near-equatorial waters during the late stages of the 2015-2016 El Niño. They are intended for use in

meteorological, oceanographic, hydrologic, and biological studies of the central equatorial Pacific during strong El Niño conditions.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?
Reviewed by other scientists in lab.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?
New, never before released.

10. List the input datasets and ancillary information used to produce the data.
field observations

11. List web pages and other links that provide information on the data.
http://www.esrl.noaa.gov/psd/enso/rapid_response/data_pub/#Kiritimati

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.
1. NASA Ames format ASCII files, contain metadata associated with platform, instruments, collection, and processing. See webpage for more details.

13. Indicate the data file format(s).
1. NASA-Ames

14. Are the data files compressed?
No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).
psd-radiosonde_kiritimati_YYYYMMDDhhmmss_level2.na
where YYYY= 4-digit year, MM=2-digit month, DD=2-digit day, hh=2-digit hour, mm=2-digit minute, and ss=2-digit second of launch in UTC

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?
FTP. See webpage. ftp://ftp.cdc.noaa.gov/Public/enrr/data/CXI/Sondedata_L2/

17. What is the total data volume to be submitted?
Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume:	52MB
Number of Data Files:	124

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.
No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Boulder, CO
System Name: ftp.cdc.noaa.gov
System Owner: NOAA/ESRL/PSD
Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL
2. FTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Direct download links

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

The ENRR field campaign documents an event of global importance. The risk of not archiving is the data could be lost.

24. Are the data archived at another facility or are there plans to do so? Please explain.

We will also make it available from our lab.

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

26. Do you have a data management plan for your data?

in progress

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

NOAA's El Niño Rapid Response (ENRR) project.

29. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2016-10-31
Accessible by: 2016-10-31

30. Add any other pertinent information for this request.

Would like a DOI as soon as reasonably possible so data can better be used for major conferences (AMS, AGU)